

OPINION 1568

Hanzawaia Asano, 1944 (Foraminiferida): conserved

Ruling

(1) Under the plenary powers the following names are hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:

- (a) *Florilus* de Montfort, 1808;
- (b) *Nonionina* d'Orbigny, 1826.

(2) The name *Hanzawaia* Asano, 1944 (gender: feminine), type species by original designation *Hanzawaia nipponica* Asano, 1944, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name *nipponica* Asano, 1944, as published in the binomen *Hanzawaia nipponica* (specific name of the type species of *Hanzawaia* Asano, 1944), is hereby placed on the Official List of Specific Names in Zoology.

(4) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:

- (a) *Florilus* de Montfort, 1808, as suppressed in (1)(a) above;
- (b) *Nonionina* d'Orbigny, 1826, as suppressed in (1)(b) above.

History of Case 2225/2

An application for the conservation of *Hanzawaia* Asano, 1944 was received from Drs H.J. Hansen (*University of Copenhagen, Copenhagen, Denmark*) & F. Rögl (*Naturhistorisches Museum Wien, Wien, Austria*) on 24 November 1978. The case was delayed until the publication of Rögl & Hansen's (1984) revision of Fichtel & Moll's 1798 *Testacea Microscopica* and after further correspondence published in BZN 45: 106–108 (June 1988). Notice of the case was sent to appropriate journals.

As mentioned in BZN 45: 106, para. 2, the nominal type species of *Florilus* is *F. stellatus* de Montfort, 1808. In a letter supporting the application, Dr F.T. Banner (*The Natural History Museum, London*) drew attention to the words of Parker & Jones (1860; reference below): 'Denys de Montfort ... selected from the Monograph of Fichtel and Moll several of their so-called *Nautili* ... he produced modified figures of these, and classified the whole according to his conchological system. ... His generic names are, for the most part, useless; since the several species, varieties and figured individuals of a genus have received a new binomial appellation at his hand'. Of *F. stellatus*, Parker & Jones (p. 5) wrote: 'A bad drawing after Fichtel & Moll's figures of *Nonionina asterizans*'. Dr Banner agreed with Parker & Jones (1860) (and with the application) that *F. stellatus* was merely a new and unnecessary name for *Nautilus asterizans* Fichtel & Moll, a view also shared by Loeblich & Tappan (1988, p. 720) in their recent treatise.

Voloshinova (1958; cf. para. 4 of the application) resurrected the name *Florilus*, applying it to a group of species similar to *Nonion*, a genus only very distantly related (at suborder level) to *Nautilus asterizans*. This wrong usage was temporarily followed by some authors, including Loeblich & Tappan (1964); Dr Banner said that his own designation (Banner & Culver, 1978; cf. para. 3 of the application) of a nonionid as a neotype for *F. stellatus* should be rejected as invalid, since the specimen was of Atlantic origin (whereas *F. stellatus* was Mediterranean) and, more importantly, the types of

Nautilus asterizans still exist. The treatment of *Nonionina* as a synonym of *Nonion* by various authors (para. 5 on p. 106) was also in error; the nonionid species which were wrongly treated as *Florilus* or *Nonionina* are referable to *Pseudononion* (para. 8 on p. 107).

Dr Banner said that para. 8 of the application would be clarified by reading 'Continued recognition of *Nautilus asterizans* (the type species of *Nonionina*) as the senior synonym of *Florilus stellatus* de Montfort, the type species of *Florilus*, makes *Nonionina* and *Florilus* senior subjective synonyms of *Hanzawaia*, with consequent disruption....'

Of *Hanzawaia* and *Pseudononion* (cf. paras. 7 and 8 of the application) Dr Banner wrote: 'I have not had time or opportunity to formulate numerically a case for the usage of *Hanzawaia* and *Pseudononion*, but I can assure you that *Hanzawaia*, in particular, has been very extensively (and correctly) used since its proposal by Asano in 1944. *Hanzawaia* has been recorded from Oligocene to Recent marine sediments and it is cosmopolitan, being known from low and mid latitudes, trans-world. *Pseudononion* Asano, 1936, has been recorded less frequently but it is also known to have a cosmopolitan occurrence in marine sediments from Danian age to Holocene. Both *Hanzawaia* and *Pseudononion* are accepted by Loeblich & Tappan (1988); there can be no doubt that their loss would cause a very great deal of unnecessary confusion. I repeat, this application by Hansen and Rögl should be supported'.

The letter by Dr Banner was abstracted, as above, on the voting paper.

Reference

Parker, V.K. & Jones, T.R. 1860. On the nomenclature of the foraminifera. *Annals and Magazine of Natural History*, (3)8(35): 1-11.

Decision of the Commission

On 1 September 1989 the members of the Commission were invited to vote on the proposals published in BZN 45: 107. At the close of the voting period on 1 December 1989 the votes were as follows:

Affirmative votes — 25: Bayer, Bock, Cocks, Cogger, Corliss, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Macpherson, Mahnert, Martins de Souza, Minelli, Mroczkowski, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Trjapitzin, Uéno, Willink

Negative votes — 2: Lehtinen and Thompson.

Dupuis abstained. Thompson considered that insufficient evidence had been provided to decide whether use of the plenary powers was justified.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

Florilus de Montfort, 1808, *Conchyliologie systématique et classification méthodique des coquilles*.

Coquilles univalves, cloisonnées, vol. 1, p. 134.

Hanzawaia Asano, 1944, *Journal of the Geological Society of Japan*, 51(606): 97.

nipponica, *Hanzawaia*, Asano, 1944, *Journal of the Geological Society of Japan*, 51(606): 98.

Nonionina d'Orbigny, 1826, *Annales des Sciences Naturelles*, (1)7: 293.